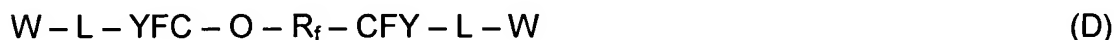
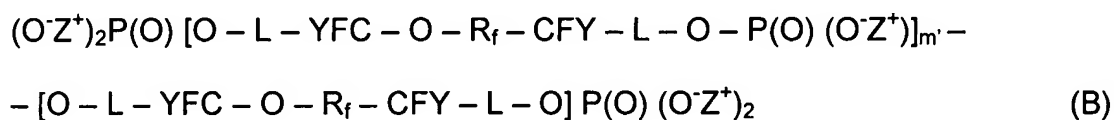


AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A method for easy removal of the calcar deposits on a metal surface, comprising:

treating a metal surface with a perfluoropolyether having a formula selected from:
~~conferring anticalcar properties to metal substrata and their alloys comprising the application of mono and bifunctional (per)fluoropolyether compounds having the following structures:~~



wherein:

m' is an integer from 0 to 20;

L is an organic group selected from $-CH_2-(OCH_2CH_2)_n-$, $-CO-NR'-(CH_2)_q-$,

with $R' = H$ or $C_1 - C_4$ alkyl;

$n = 0 - 8$, $q = 1 - 8$;

$Z = H$, alkaline metal or NR_4 group with $R = H$ or $C_1 - C_4$ alkyl; $Y = F, CF_3$;

$m = 1, 2, 3$;

W is a group $-Si(R_1)_\alpha (OR_2)_{3-\alpha}$ with $\alpha = 0, 1, 2$, R_1 and R_2 equal to or different from each other are $C_1 - C_6$ alkyl groups optionally containing one or more ether O, $C_6 - C_{10}$ aryl groups, $C_7 - C_{12}$ alkyl-aryl or aryl-alkyl groups;

Rf has a number average molecular weight in the range 350 – 8,000 and comprises repeating units having at least one of the following structures, statistically placed along the chain:

(CFXO), (CF₂CF₂O), (CF₂CF₂CF₂O), (CF₂CF₂ CF₂ CF₂O),

(CR₄R₅ CF₂ CF₂O), (CF(CF₃)CF₂O), (CF₂CF(CF₃)O),

wherein

X = F, CF₃;

R₄ and R₅, equal to or different from each other, are selected from H, Cl, or perfluoroalkyl having from 1 to 4 carbon atoms;

and washing the metal surface with a running water flow at room temperature.

2. (Previously Presented) The method of claim 1, wherein Rf is selected from the following structures:

1) - (CF₂O)_{a'} - (CF₂CF₂O)_{b'} -

with a'/b' in the range 0.5 – 2, extremes included, a' and b' being integers such as to give the above molecular weight;

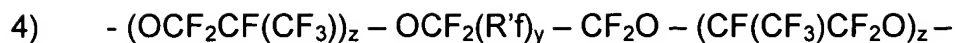
2) - (C₃F₆O)_r - C₂F₄O)_b - (CFXO)_t -

with r/b = 0.5 – 2.0; (r+b)/t is comprised between 10 – 30, b, r and t being integers such as to give the above molecular weight, X has the above meaning;

3) - (C₃F₆O)_r - (CFXO)_{t'} -

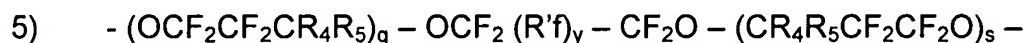
t' can be 0;

when t' is different from 0 then r'/t' = 10 – 30, r' and t' being integers such as to give the above molecular weight; X has the above meaning;



wherein z is an integer such that the molecular weight is the above one;

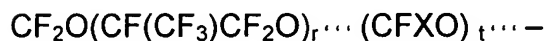
y is an integer between 0 and 1 and R'f is a fluoroalkylene group;



wherein:

q and s are integers such that the molecular weight is the above one;

R₄, R₅, R'f, y have the above meaning;



wherein $r'''/t''' = 10 - 30$,

r''' and t''' being integers such as to give the above molecular weight;

R'f and y having the above meaning.

3. (Previously Presented) The method of claim 1, wherein in the compounds of structure (A) and (C) the end group of R_f is of the T-O- type, wherein T is a (per) fluoroalkyl group selected from: -CF₃, -C₂F₅, -C₃F₇, -CF₂Cl, -C₂F₄Cl, -C₃F₆Cl; optionally one or two F atoms can be substituted by H.

4. (Previously Presented) The method of claim 1, wherein a mixture of compounds (C) and (D) is used.

5. (Previously Presented) The method of claim 1, wherein the treatment is made by dipping, spin-coating, spraying, padding or brushing.

6. (Previously Presented) The method of claim 1, wherein the perfluoropolyether compounds of structure (C) and (D) are applied using formulations with solvent, solvent-water mixtures or prevailingly aqueous formulations.

7. (Previously Presented) The method of claim 6, wherein the concentration of the perfluoropolyether compounds of structure (C) and (D) in the formulation is in the range 0.01 – 15% by weight.

8. (Previously Presented) The method of claim 1, wherein the perfluoropolyether compounds of structure (A) and (B) are applied using aqueous formulations or formulations having a polar solvent.

9. (Previously Presented) The method of claim 8, wherein the formulation contains an amount by weight of perfluoropolyether compound of structure (A) and (B) in the range 0.1 – 10% by weight

10. (Previously Presented) A method of conferring anti-corrosive properties to metal substrata and their alloys comprising application of the mono- and bi-functional (per)fluoropolyether compounds of claim 1.

11. (Previously Presented) The method of claim 10, wherein the perfluoropolyether compounds have structure (C) and (D).

12. (Previously Presented) The method of claim 1 wherein m' is an integer from 0 to 4.

13. (Previously Presented) The method of claim 1 wherein $n = 1 - 3$.

14. (Previously Presented) The method of claim 1 wherein $q = 1 - 3$.

15. (Previously Presented) The method of claim 1 wherein $m = 1$ or 2.

16. (Previously Presented) The method of claim 1 wherein R_f has a number average molecular weight in the range 500 – 3,000.

17. (Previously Presented) The method of claim 2 wherein R'_f is a fluoroalkylene group having 1 – 4 carbon atoms.

18. (Previously Presented) The method of claim 3, wherein in T, one F atom is substituted by H.

19. (Previously Presented) The method of claim 7, wherein the concentration of the perfluoropoly ether compounds of structure (C) and (D) in the formulation is in the range 0.1 - 5% by weight.

20. (Previously Presented) The method of claim 9, wherein the amount by weight or weight of perfluoropolymer compound of structure (A) and (B) is in the range 0.5 – 5%.